

INTERPRETATIONS

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
40D: Fayette-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Very limited Too steep for surface application	1.00
		Slope	0.01	Slope	0.01	Too steep for sprinkler application	0.10
						Too acid	0.07
41B: Sparta-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.55	Droughty	0.55	Droughty	0.55
		Leaching limitation	0.45	Too acid	0.07	Too steep for surface application	0.08
		Too acid	0.02			Too acid	0.07
41C: Sparta-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.55	Droughty	0.55	Too steep for surface application	0.91
		Leaching limitation	0.45	Too acid	0.07	Droughty	0.55
		Too acid	0.02			Too acid	0.07
						Too steep for sprinkler application	0.02
41D: Sparta-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Filtering capacity	1.00
		Droughty	0.55	Droughty	0.55	Too steep for sprinkler application	0.77
		Leaching limitation	0.45	Too acid	0.07	Droughty	0.55
		Too acid	0.02			Too acid	0.07

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
63B: Chelsea-----	95	Very limited Filtering capacity Droughty Leaching limitation	1.00 0.53 0.45	Very limited Filtering capacity Droughty	1.00 0.53	Very limited Filtering capacity Droughty Too steep for surface application	1.00 0.53 0.08
63C: Chelsea-----	95	Very limited Filtering capacity Droughty  Leaching limitation	1.00 0.53  0.45	Very limited Filtering capacity Droughty	1.00 0.53	Very limited Filtering capacity Droughty Too steep for surface application  Too steep for sprinkler application	1.00 0.91 0.53 0.02
63D: Chelsea-----	95	Very limited Filtering capacity  Slope Droughty  Leaching limitation	1.00  0.63 0.53  0.45	Very limited Filtering capacity  Slope Droughty	1.00  0.63 0.53	Very limited Too steep for surface application Filtering capacity Too steep for sprinkler application Droughty	1.00 1.00 0.77 0.53
63E: Chelsea-----	90	Very limited Slope  Filtering capacity Droughty Leaching limitation	1.00  1.00 0.53 0.45	Very limited Slope  Filtering capacity Droughty	1.00  1.00 0.53	Very limited Too steep for surface application Too steep for sprinkler application Filtering capacity Droughty	1.00 1.00 1.00 0.53

FIELD OFFICE TECHNICAL GUIDE Sec. II  
WASTE DISPOSAL

INTERPRETATIONS

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
63F: Chelsea-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Droughty	0.53	Droughty	0.53	Filtering capacity	1.00
		Leaching limitation	0.45			Droughty	0.53
63G: Chelsea-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Droughty	0.53	Droughty	0.53	Filtering capacity	1.00
		Leaching limitation	0.45			Droughty	0.53
85: Eitzen-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
85B: Eitzen-----	95	Very limited Low adsorption	1.00	Very limited Flooding	1.00	Very limited Low adsorption	1.00
		Flooding	0.60	Low adsorption	1.00	Flooding	0.60
						Too steep for surface application	0.08
98: Huntsville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
98B: Huntsville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
118: Garwin-----	100	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Depth to saturated zone	1.00	Too steep for surface application  Very limited Depth to saturated zone	0.08  1.00
119B: Muscatine-----	95	Somewhat limited Depth to saturated zone Too acid	0.43 0.02	Somewhat limited Depth to saturated zone Too acid	0.43 0.07	Somewhat limited Depth to saturated zone Too acid Too steep for surface application	0.43 0.07 0.01
120B: Tama-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
120C: Tama-----	95	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.07 0.02
129B: Arenzville-----	50	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding Too steep for surface application	0.60 0.01
Chaseburg-----	45	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60

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Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
140B: Sparta-----	100					Too steep for surface application	0.01
		Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.45	Too acid	0.07	Too steep for surface application	0.08
140C: Sparta-----	100	Droughty	0.04	Droughty	0.04	Too acid	0.07
		Too acid	0.02			Droughty	0.04
		Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
142: Chaseburg-----	95	Leaching limitation	0.45	Too acid	0.07	Too steep for surface application	0.91
		Droughty	0.04	Droughty	0.04	Too acid	0.07
		Too acid	0.02			Droughty	0.04
						Too steep for sprinkler application	0.02
162B: Downs-----	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Flooding	0.60	Flooding	1.00	Flooding	0.60
162B2: Downs-----	90	Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
						Too acid	0.07
162C: Downs-----	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.08
162C: Downs-----	85					Too acid	0.07

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Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too acid	0.02	Too acid	0.07	Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.07 0.02
162C2: Downs-----	85	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.07 0.02
162D: Downs-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 0.77 0.07
		Too acid	0.02	Too acid	0.07		
162D2: Downs-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 0.77 0.07
		Too acid	0.02	Too acid	0.07		
162E2: Downs-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application Too acid	1.00 1.00 0.07
		Too acid	0.02	Too acid	0.07		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
163B: Fayette-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
163B2: Fayette-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
163C: Fayette-----	85	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.07 0.02
163C2: Fayette-----	85	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.07 0.02
163D: Fayette-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	0.77 0.07
163D2: Fayette-----	85	Somewhat limited		Somewhat limited		Very limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
163E: Fayette-----	85	Slope	0.63	Slope	0.63	Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
163E2: Fayette-----	85	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
163F: Fayette-----	85					Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
163G: Fayette-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
163G: Fayette-----	85	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
163G: Fayette-----	85					Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	1.00
						Too acid	0.07



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
178B: Wauke-----	100	Very limited Filtering capacity Too acid	1.00 0.02	Very limited Filtering capacity Too acid	1.00 0.07	Very limited Filtering capacity Too acid Too steep for surface application	1.00 0.07 0.01
196B: Volney-----	95	Very limited Filtering capacity Depth to dense layer Large stones on the surface Droughty Flooding	1.00 1.00 1.00 0.91 0.60	Very limited Filtering capacity Flooding Large stones on the surface Droughty	1.00 1.00 1.00 0.91	Very limited Filtering capacity Large stones on the surface Droughty Flooding Too steep for surface application	1.00 1.00 0.91 0.60 0.08
196C: Volney-----	100	Very limited Filtering capacity Depth to dense layer Large stones on the surface Droughty Flooding	1.00 1.00 1.00 0.91 0.60	Very limited Filtering capacity Flooding Large stones on the surface Droughty	1.00 1.00 1.00 0.91	Very limited Filtering capacity Large stones on the surface Droughty Too steep for surface application Flooding	1.00 1.00 0.91 0.91 0.60
206C: Shullsburg-----	95	Very limited Depth to saturated zone Depth to bedrock	1.00 0.46	Very limited Depth to saturated zone Depth to bedrock	1.00 0.46	Very limited Depth to saturated zone Too steep for surface application Depth to bedrock Too steep for sprinkler application	1.00 0.66 0.46 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
210E: Boone-----	95	Very limited Droughty Filtering capacity  Slope  Depth to bedrock  Leaching limitation	1.00 1.00  0.96 0.46  0.45	Very limited Droughty Filtering capacity  Slope  Too acid  Depth to bedrock	1.00 1.00  0.96 0.77  0.46	Very limited Droughty Too steep for surface application Filtering capacity Too steep for sprinkler application Too acid	1.00 1.00  1.00 0.97  0.77
210F: Boone-----	95	Very limited Slope Droughty  Filtering capacity  Depth to bedrock  Leaching limitation	1.00 1.00  1.00 0.46 0.45	Very limited Droughty Slope  Filtering capacity  Too acid  Depth to bedrock	1.00 1.00  1.00 0.77 0.46	Very limited Droughty Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid	1.00 1.00  1.00 1.00 0.77
210G: Boone-----	95	Very limited Slope Droughty  Filtering capacity  Depth to bedrock  Leaching limitation	1.00 1.00  1.00 0.46 0.45	Very limited Droughty Slope  Filtering capacity  Too acid  Depth to bedrock	1.00 1.00  1.00 0.77 0.46	Very limited Droughty Too steep for surface application Too steep for sprinkler application Filtering capacity Too acid	1.00 1.00  1.00 1.00 0.77
249C: Zwingle-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Restricted permeability Depth to saturated zone	1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
291: Atterberry-----	95	Runoff limitation	0.40	Too acid	0.31	Too steep for surface application	0.31
		Too acid	0.08			Too acid	0.31
		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
320: Arenzville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
478G: Nordness-----	50	Very limited Slope	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00
		Depth to bedrock	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	1.00	Droughty	1.00	Too steep for sprinkler application	1.00
Rock Outcrop-----	40					Droughty	1.00
		Not rated		Not rated		Not rated	
484: Lawson-----	95	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Flooding	0.60	Depth to saturated zone	1.00	Flooding	0.60
485: Spillville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
487B: Otter-----	50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Worthen-----	45	Leaching limitation Flooding	0.70 0.60	Flooding	1.00	Flooding	0.60
		Not limited		Not limited		Somewhat limited Too steep for surface application	0.01
490: Caneek-----	95	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
499C: Nordness-----	95	Very limited Depth to bedrock Droughty	1.00 1.00	Very limited Depth to bedrock Droughty	1.00 1.00	Very limited Depth to bedrock Droughty Too steep for surface application Too steep for sprinkler application	1.00 1.00 0.91 0.02
499D: Nordness-----	95	Very limited Depth to bedrock Droughty	1.00 1.00	Very limited Depth to bedrock Droughty	1.00 1.00	Very limited Depth to bedrock Too steep for surface application Droughty Too steep for sprinkler application	1.00 1.00 1.00 0.77
		Slope	0.63	Slope	0.63		
499D2: Nordness-----	95	Very limited Depth to bedrock Droughty	1.00 1.00	Very limited Depth to bedrock Droughty	1.00 1.00	Very limited Depth to bedrock Too steep for surface application Droughty Too steep for sprinkler application	1.00 1.00 1.00 0.77
		Slope	0.63	Slope	0.63		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
499E: Nordness-----	95	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler application Droughty	1.00 1.00  1.00 1.00
499E2: Nordness-----	90	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler application Droughty	1.00 1.00  1.00 1.00
499F: Nordness-----	90	Very limited Slope Depth to bedrock	1.00 1.00	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler application Droughty	1.00 1.00  1.00 1.00
499G: Nordness-----	95	Very limited Slope Depth to bedrock	1.00 1.00	Very limited Depth to bedrock Slope	1.00 1.00	Very limited Depth to bedrock Too steep for surface application Too steep for sprinkler application Droughty	1.00 1.00  1.00 1.00
589: Otter-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
703C: Dubuque-----	90	Leaching limitation Flooding	0.70 0.60	Flooding	1.00	Flooding	0.60
		Somewhat limited Depth to bedrock	0.84	Somewhat limited Depth to bedrock	0.84	Somewhat limited Too steep for surface application Depth to bedrock	0.91
		Droughty Too acid	0.22 0.02	Droughty Too acid	0.22 0.07	Droughty Too acid Too steep for sprinkler application	0.84 0.22 0.07 0.02
703C2: Dubuque-----	95	Very limited Restricted permeability Depth to bedrock	1.00 0.84	Very limited Restricted permeability Depth to bedrock	1.00 0.84	Very limited Restricted permeability Too steep for surface application Depth to bedrock	1.00 0.91 0.84
		Droughty Too acid	0.23 0.02	Droughty Too acid	0.23 0.07	Droughty Too acid	0.23 0.07
703D: Dubuque-----	95	Somewhat limited Depth to bedrock	0.84	Somewhat limited Depth to bedrock	0.84	Very limited Too steep for surface application Depth to bedrock	1.00 0.84
		Slope Droughty	0.63 0.22	Slope Droughty	0.63 0.22	Too steep for sprinkler application	0.77
		Too acid	0.02	Too acid	0.07	Droughty Too acid	0.22 0.07
703D2: Dubuque-----	90	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to bedrock	0.84	Depth to bedrock	0.84	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to bedrock	0.84

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
703E: Dubuque-----	90	Droughty	0.23	Droughty	0.23	Too steep for sprinkler application	0.77
		Too acid	0.02	Too acid	0.07	Droughty	0.23
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Depth to bedrock	0.84	Depth to bedrock	0.84	Too steep for sprinkler application	1.00
		Droughty Too acid	0.22 0.02	Droughty Too acid	0.22 0.07	Depth to bedrock Droughty Too acid	0.84 0.22 0.07
703E2: Dubuque-----	85	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Depth to bedrock	0.84	Depth to bedrock	0.84	Restricted permeability	1.00
		Droughty Too acid	0.23 0.02	Droughty Too acid	0.23 0.07	Depth to bedrock Droughty	0.84 0.23
703F: Dubuque-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Depth to bedrock	0.84	Depth to bedrock	0.84	Too steep for sprinkler application	1.00
		Droughty Too acid	0.22 0.02	Droughty Too acid	0.22 0.07	Depth to bedrock Droughty Too acid	0.84 0.22 0.07
721C: Massbach-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.66

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
721D: Massbach-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for sprinkler application	0.01
						Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
740C: Hawick-----	95	Very limited Filtering capacity Droughty Leaching limitation	1.00 1.00 0.45	Very limited Filtering capacity Droughty	1.00 1.00	Very limited	
						Filtering capacity	1.00
						Droughty	1.00
						Too steep for surface application	0.66
740G: Hawick-----	95	Very limited Slope  Filtering capacity  Droughty  Leaching limitation	1.00 1.00 1.00 0.45	Very limited Filtering capacity Slope  Droughty	1.00 1.00 1.00	Too steep for sprinkler application	0.01
						Very limited	
						Filtering capacity	1.00
						Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
778B: Sattre-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Too steep for surface application	1.00
						Very limited	
						Filtering capacity	1.00
793B: Bertrand-----	90	Not limited		Not limited		Too steep for surface application	0.01
						Somewhat limited	



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
793C: Bertrand-----	90	Not limited		Not limited		Too steep for surface application	0.08
						Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
793D2: Bertrand-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
793E: Bertrand-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
826: Rowley-----	95	Very limited Depth to saturated zone Too acid	1.00 0.02	Very limited Depth to saturated zone Too acid	1.00 0.07	Very limited Depth to saturated zone	1.00
						Too acid	0.07
837C: Village-----	90	Very limited Restricted permeability Too acid	1.00 0.02	Very limited Restricted permeability Too acid	1.00 0.07	Very limited Restricted permeability	1.00
						Too steep for surface application	0.91
						Too acid	0.07

INTERPRETATIONS

Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
837C2: Village-----	90					Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Restricted	1.00
		permeability		permeability		permeability	
837D: Village-----	90	Too acid	0.02	Too acid	0.07	Too steep for surface application	0.91
						Too acid	0.07
						Too steep for sprinkler application	0.02
837D2: Village-----	90	Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Too steep for surface application	1.00
		permeability		permeability		Restricted	1.00
		Slope	0.63	Slope	0.63	permeability	
837D2: Village-----	90	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
						Too acid	0.07
837E: Village-----	90	Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Too steep for surface application	1.00
		permeability		permeability		Restricted	1.00
		Slope	1.00	Slope	1.00	permeability	
837E: Village-----	90	Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
						Too acid	0.07

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
837E2: Village-----	85	Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	1.00 0.07
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	1.00 0.07
837F: Village-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	1.00 0.07
838C2: Allamakee-----	90	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Too acid	0.02	Too acid	0.07	Too steep for surface application	0.91
						Too acid	0.07
838D: Allamakee-----	90	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Too steep for surface application	0.07
		Slope	0.63	Slope	0.63	Too steep for sprinkler application	1.00

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of	Application of manure and food-	Application of sewage sludge	Disposal of wastewater
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	map unit	processing waste				by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	0.77 0.07
838D2: Allamakee-----	90	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	0.77 0.07
838E2: Allamakee-----	85	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	1.00 0.07
840E: Lacrescent-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
840F: Lacrescent-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
840G: Lacrescent-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00  1.00
841G: Rock Outcrop-----	50	Not rated		Not rated		Not rated	
Boone-----	35	Very limited Slope Droughty	1.00 1.00	Very limited Droughty Slope	1.00 1.00	Very limited Droughty Too steep for surface application Too steep for sprinkler application	1.00 1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Depth to bedrock	0.46	Too acid	0.77	Filtering capacity	1.00
		Leaching limitation	0.45	Depth to bedrock	0.46	Too acid	0.77
843: Elon-----	95	Somewhat limited Flooding Depth to saturated zone	0.60 0.43	Very limited Flooding Depth to saturated zone	1.00 0.43	Somewhat limited Flooding Depth to saturated zone	0.60 0.43
861D: Yellowriver-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	1.00  0.77
861D2: Yellowriver-----	90	Somewhat limited		Somewhat limited		Very limited	

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
861E: Yellowriver-----	85	Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
861E2: Yellowriver-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
861F: Yellowriver-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
861G: Yellowriver-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
862D: Churchtown-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
862D2: Churchtown-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for sprinkler application	0.77
						Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
862E: Churchtown-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
862E2: Churchtown-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
862F: Churchtown-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
903C2: Frankville-----	90	Somewhat limited Depth to bedrock	0.46	Somewhat limited Depth to bedrock	0.46	Somewhat limited Too steep for surface application	0.91
		Droughty	0.01	Droughty	0.01	Depth to bedrock	0.46

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
903D: Frankville-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for sprinkler application	0.02
						Droughty	0.01
						Very limited	
						Too steep for surface application	1.00
903D2: Frankville-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Too steep for sprinkler application	0.77
						Depth to bedrock	0.46
						Droughty	0.01
						Depth to bedrock Droughty	0.46 0.01
903D2: Frankville-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
						Depth to bedrock Droughty	0.46 0.01
903E2: Frankville-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
						Depth to bedrock Droughty	0.46 0.01
912C: Paintcreek-----	85	Very limited Restricted permeability Too acid	1.00 0.02	Very limited Restricted permeability Too acid	1.00 0.07	Very limited	
						Restricted permeability	1.00
						Too steep for surface application	0.91
						Too acid	0.07



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Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
912D: Paintcreek-----	90					Too steep for sprinkler application	0.02
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
912D2: Paintcreek-----	90					Too acid	0.07
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.77
912E: Paintcreek-----	90					Too acid	0.07
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability	1.00
912E2: Paintcreek-----	90					Too acid	0.07
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00

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Agricultural Waste Management

Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
912F: Paintcreek-----	95	Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	1.00 0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	1.00 0.07
930: Orion-----	95	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
951G: Medary-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Runoff limitation	0.40	Too acid	0.42	Restricted permeability	1.00
		Too acid	0.11			Too acid	0.42
977: Richwood-----	95	Not limited		Not limited		Not limited	
977B: Richwood-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
978B: Festina-----	95	Not limited		Not limited		Somewhat limited	

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Allamakee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
978C: Festina-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
981B: Worthen-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.31
1120D: Lycurgus-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
1120E: Lycurgus-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
1120F: Lycurgus-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
1490: Caneek-----	95	Very limited		Very limited		Very limited	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1496: Arenzville-----	45	Depth to saturated zone Flooding	1.00	Depth to saturated zone Flooding	1.00	Depth to saturated zone Flooding	1.00
			1.00		1.00		1.00
		Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Volney-----	25	Very limited Filtering capacity Flooding	1.00	Very limited Filtering capacity Flooding	1.00	Very limited Filtering capacity Flooding	1.00
		Depth to dense layer	1.00	Large stones on the surface	1.00	Large stones on the surface	1.00
		Large stones on the surface Droughty	1.00	Droughty	0.91	Droughty	0.91
			0.91				
1496B: Arenzville-----	45	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding Too steep for surface application	1.00 0.08
		Very limited Filtering capacity Flooding	1.00	Very limited Filtering capacity Flooding	1.00	Very limited Filtering capacity Flooding	1.00
		Depth to dense layer	1.00	Large stones on the surface	1.00	Large stones on the surface	1.00
Volney-----	30	Large stones on the surface Droughty	1.00	Droughty	0.91	Droughty	0.91
			0.91			Too steep for surface application	0.08
1793G: Bertrand-----	60	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
Chelsea-----	30	Very limited		Very limited		Very limited	

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
		Droughty	0.53	Droughty	0.53	Filtering capacity	1.00
		Leaching limitation	0.45			Droughty	0.53
2670: Ion-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
5010: Pits, Sand And Gravel-----	100	Not rated		Not rated		Not rated	
5030: Pits, Limestone Quarry-----	100	Not rated		Not rated		Not rated	
5040: Orthents, Loamy-----	100	Not rated		Not rated		Not rated	
w: Water-----	100	Not rated		Not rated		Not rated	